

WHAT is CLAIMED.

1). An intercept valve for spray guns for water cleaner apparatus, comprising:

a main body exhibiting an internal cavity affording an inlet opening (4) and an outlet opening, to which inlet opening a tube is attached which is upstream of the valve and to which outlet opening a tube is attached which is downstream of the valve, which internal cavity, which upstream tube and which downstream tube together form a conduit for a fluid;

a ball obturator arranged in the internal cavity;

an annular seating against which the ball obturator rests when the valve is in a closed position thereof, the ball obturator being pushed against the annular seating by at least a pressurised fluid in the valve; the annular seating exhibiting a central longitudinal axis which defines a flow direction of the pressurised fluid through the annular seating;

a pusher element controlled by means for activating, which pusher element exerts on the ball obturator a thrust able at least partially to detach the ball obturator from the annular seating, to change the intercept valve into an open position;

wherein the internal cavity of the main body exhibits, upstream of the annular seating, a containment chamber for the ball obturator which enables at least lateral displacements of the ball obturator with respect to the flow direction of the fluid, and wherein the pusher element is oriented so that the thrust exerted thereby on the ball obturator displaces the ball obturator in a direction which is transversal to a central axis of the annular seating.

- 2). The valve of claim 1, wherein the ball obturator is spherical.
- 3). The valve of claim 2, wherein the pusher element is arranged in contact with a surface zone of the ball obturator which surface zone is comprised between a diametrically intersecting plane of the ball obturator, perpendicular to the central axis of the annular seating and the annular seating, in order that the thrust exerted by the pusher element exhibits a component which acts in a distancing direction from the annular seating.
- 4). The valve of claim 1, wherein the inlet opening and the outlet opening of the main body are aligned on an axis which coincides with the central axis of the annular seating.
- 5). The valve of claim 1, wherein the containment chamber of the ball obturator comprises, in an opposite position to the annular seating, a limiter ring for limiting a distancing displacement of the ball obturator from the annular seating when the valve is in the open position.
- 6). The valve of claim 1, wherein the pusher element is a cylindrical pivot which is slidable internally of a bushing coupled laterally to the main body and internally of a ring seal arranged in proximity of the bushing.
- 7). A spray gun for water cleaner apparatus, wherein it comprises an intercept valve as in claims from 1 to 6.